

ABSTRACT OF THE DISCLOSURE

The present method reduces variations in noise and temperature in a mixed-signal circuit including memory. Memory electrically proximate an analog circuit is provided and a digital data word received at the memory. When the data word is not a desired data word, a dummy write to the memory is performed. When the data word is a desired data word, the data word is written to the memory. The mixed-signal circuit includes an analog circuit, memory electrically proximate to the analog circuit and connected to receive digital data words, and a memory controller connected to the memory. The memory controller is operable to cause the memory to write to the memory each of the data words that is a desired data word and additionally to perform a dummy write to memory for each of the data words that is not a desired data word.